Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) An input device comprising:

an image capture section which captures an image of a ~~detection~~ two-dimensional or three-dimensional object;

an image comparison section which compares the image of the ~~detection~~ two-dimensional or three-dimensional object captured by the image capture section with registered information;

a movement detection section which detects movement of the ~~detection~~ two-dimensional or three-dimensional object by using the image of the ~~detection~~ two-dimensional or three-dimensional object when it is determined that the registered information includes information corresponding to the image of the ~~detection~~ two-dimensional or three-dimensional object according to a result of comparison by the image comparison section; and

a control information output section which outputs control information corresponding to a parameter type associated with the registered information corresponding to the image of the ~~detection~~ two-dimensional or three-dimensional object based on a detection result of the movement detection section,

wherein the image capture section includes a detection surface and captures the image of the two-dimensional or three-dimensional object in contact with the detection surface, and

wherein the control information output section outputs the control information of at least one of rotation directions around first and second axes which intersect each other on the detection surface.

2.   (Currently Amended) An input device comprising:

a registered information storage section which stores registered information corresponding to a parameter type;

an image capture section which captures an image of a ~~detection~~ two-dimensional or three-dimensional object;

an image comparison section which compares the image of the ~~detection~~ two-dimensional or three-dimensional object captured by the image capture section with the registered information stored in the registered information storage section;

a movement detection section which detects movement of the ~~detection~~ two-dimensional or three-dimensional object by using the image of the ~~detection~~ two-dimensional or three-dimensional object when it is determined that the registered information storage section stores the registered information corresponding to the image of the ~~detection~~ two-dimensional or three-dimensional object according to a result of comparison by the image comparison section; and

a control information output section which outputs control information corresponding to the parameter type associated with the registered information corresponding to the image of the ~~detection~~ two-dimensional or three-dimensional object based on a detection result of the movement detection section,

wherein the image capture section includes a detection surface and captures the image of the two-dimensional or three-dimensional object in contact with the detection surface, and

wherein the control information output section outputs the control information of at least one of rotation directions around first and second axes which intersect each other on the detection surface.

3.   (Original) The input device as defined in claim 1,

wherein the registered information is a feature point of the image.

4.   (Original) The input device as defined in claim 2,

wherein the registered information is a feature point of the image.

5.   (Currently Amended) The input device as defined in claim 3,

wherein the feature point is extracted from the image of the ~~detection~~ two-dimensional or three-dimensional object captured by the image capture section.

6.   (Currently Amended) The input device as defined in claim 4,

wherein the feature point is extracted from the image of the ~~detection~~ two-dimensional or three-dimensional object captured by the image capture section.

7.   (Currently Amended) The input device as defined in claim 1,

wherein the movement detection section detects the movement of the ~~detection~~ two-dimensional or three-dimensional object by using the feature point of the image.

8.   (Currently Amended) The input device as defined in claim 2,

wherein the movement detection section detects the movement of the ~~detection~~ two-dimensional or three-dimensional object by using the feature point of the image.

9.   (Currently Amended) The input device as defined in claim 1,

wherein the movement detection section detects the movement of the ~~detection~~ two-dimensional or three-dimensional object by using a center of gravity of the image, and

wherein the center of gravity is calculated from the image of the ~~detection~~ two-dimensional or three-dimensional object captured by the image capture section.

10.   (Currently Amended) The input device as defined in claim 2,

wherein the movement detection section detects the movement of the ~~detection~~ two-dimensional or three-dimensional object by using a center of gravity of the image, and

wherein the center of gravity is calculated from the image of the ~~detection~~ two-dimensional or three-dimensional object captured by the image capture section.

11.   (Currently Amended) The input device as defined in claim 1,

~~wherein the image capture section includes a detection surface and captures the image~~

~~of the detection being in contact with the detection surface, and~~

wherein the control information output section outputs the control information of ~~at~~

~~least~~ one of the first and second axis directions which intersect each other at right angles on

the detection surface, a third axis direction perpendicular to the detection surface, and rotation

directions around the first to third axes.

12.   (Currently Amended) The input device as defined in claim 2,

~~wherein the image capture section includes a detection surface and captures the image~~

~~of the detection being in contact with the detection surface, and~~

wherein the control information output section outputs the control information of ~~at~~

~~least~~ one of the first and second axis directions which intersect each other at right angles on

the detection surface, a third axis direction perpendicular to the detection surface, and rotation

directions around the first to third axes.

13.   (Original) The input device as defined in claim 2, comprising:

a registration section which registers the registered information according to the

parameter type.

14.   (Original) The input device as defined in claim 1,

wherein the registered information includes a plurality of pieces of image information,

the parameter type being associated with each piece of the image information.

15.   (Original) The input device as defined in claim 2,

wherein the registered information includes a plurality of pieces of image information,

the parameter type being associated with each piece of the image information.

16.   (Currently Amended) The input device as defined in claim 1,

wherein the image of the ~~detection~~ two-dimensional or three-dimensional object is a

fingerprint image.

17.   (Currently Amended) The input device as defined in claim 2,

wherein the image of the ~~detection~~ two-dimensional or three-dimensional object is a

fingerprint image.

18.   (Original) An information device comprising:

the input device as defined in claim 1; and

a processing section which performs control processing based on the control

information from the input device.

19.   (Original) An information device comprising:

the input device as defined in claim 2; and

a processing section which performs control processing based on the control

information from the input device.

20.   (Currently Amended) A control information generation method for generating

control information by using a captured image of a ~~detection~~ two-dimensional or three-

dimensional object, the control information generation method comprising:

searching information corresponding to an image of the ~~detection~~ two-dimensional or

three-dimensional object in registered information stored corresponding to a parameter type

by using the image of the ~~detection~~ two-dimensional or three-dimensional object;

detecting movement of the ~~detection~~ two-dimensional or three-dimensional object by

using the image of the ~~detection~~ two-dimensional or three-dimensional object when it is

determined that the information corresponding to the image of the ~~detection~~ two-dimensional

or three-dimensional object is included in the registered information ~~and~~;

generating the control information corresponding to the parameter type associated with the registered information corresponding to the image of the ~~detection~~ two-dimensional or three-dimensional object based on a detection result for the movement of the ~~detection~~ two-dimensional or three-dimensional object;

capturing the image of the two-dimensional or three-dimensional object that is in contact with a detection surface; and

generating the control information of at least one of rotation directions around first and second axes which intersect each other on the detection surface.

21. (Currently Amended) The control information generation method as defined in claim 20, comprising:

generating the control information of ~~at least~~ one of the first and second axis directions which intersect each other at right angles on the detection surface, a third axis direction perpendicular to the detection surface, and rotation directions around the first to third axes.

22. (Currently Amended) The control information generation method as defined in claim 20,

wherein the image of the ~~detection~~ two-dimensional or three-dimensional object is a fingerprint image.

23. (Currently Amended) The control information generation method as defined in claim 21,

wherein the image of the ~~detection~~ two-dimensional or three-dimensional object is a fingerprint image.